

CLAIMS

1. A handheld work machine (100) comprising at least one combustion engine (12) which in operation requires a supply voltage, and comprising a voltage generator which supplies a generator voltage that depends on the rotary speed of the combustion engine (12), which generator voltage is used to generate the supply voltage, characterised in that
the handheld work machine (100) is electrically connected to an additional voltage source (14) that prior to starting the combustion engine (12) provides the required supply voltage that at this point in time is not yet present, wherein in the handheld work machine the supply voltage required during operation of the combustion engine (10) is split into an ignition voltage and a control voltage, and the additional voltage source (14) only supplies the required control voltage prior to the start of the engine (12).
2. The handheld work machine according to claim 1, characterised in that
the voltage supplied by the additional voltage source (14) is independent of the rotary speed of the combustion engine (12).
3. The handheld work machine according to claim 1 or 2, characterised in that
the additional voltage source (14) comprises at least one rechargeable battery (14a).
4. The handheld work machine according to claim 3, characterised in that
the rechargeable battery (14a) is rechargeable either by an external charging set or by the voltage generator with a charging circuit arranged downstream.

5. The handheld work machine according to any one of claims 1 to 4,
characterised in that
the additional voltage source (14) comprises at least one replaceable standard battery (14b).
6. The handheld work machine according to any one of claims 1 to 5,
characterised in that
the additional voltage source (14) is integrated in the handheld work machine (100).
7. The handheld work machine according to any one of claims 1 to 6,
characterised in that
the additional voltage source (14) can be plugged to or in or into the housing (10) of the handheld work machine (100).
8. The handheld work machine according to any one of claims 1 to 5,
characterised in that
the additional voltage source (14) is arranged externally in relation to the housing (10) of the handheld work machine (100) and is electrically connected to the work machine (100) by way of an electrical conductor and a plug-type connection (16).
9. The handheld work machine according to any one of claims 1 to 8,
characterised in that
the additional voltage source (14) is electrically connected to further electrical or electronic circuits or further auxiliary devices of the handheld work machine (100), and supplies a voltage to these.

substitute sheet

10. The handheld work machine according to any one of claims 1 to 9,
characterised in that
a monitoring device (17) is provided which monitors the charge state of the additional voltage source (14) and indicates said charge state by a visual and/or acoustic signal.
11. The handheld work machine according to any one of claims 1 to 10,
characterised in that
a monitoring device is provided for acquiring the charge option or recharge option of the additional voltage source (14).
12. The handheld work machine according to any one of claims 1 to 11,
characterised in that
the additional voltage source (14) can be switched on and off by way of a start / stop switch (13).
13. The handheld work machine according to any one of claims 1 to 12,
characterised in that
the additional voltage source (14) is electrically connected to an electric starter motor that is provided for automatically starting the combustion engine (12) of the handheld work machine (100).